

A circular ink stamp from the Patent and Trademark Office. The text "PATENT AND TRADEMARK OFFICE" is curved along the top and sides of the circle. In the center, the date "OCT 12 2004" is stamped. The stamp is partially overlapping the "Commerce" and "Trademark Office" text on the right.

A circular black ink stamp from the Office of Intellectual Property (OIP). The text "OIP" is at the top, "SEP 04 2001" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom. The number "JC156" is written vertically on the right side of the stamp.

NO. 54

RECEIVED

DEC 06 2007

TECH CENTER 1600/2900

FILING DATE

IF APPROPRIATE

TE 00

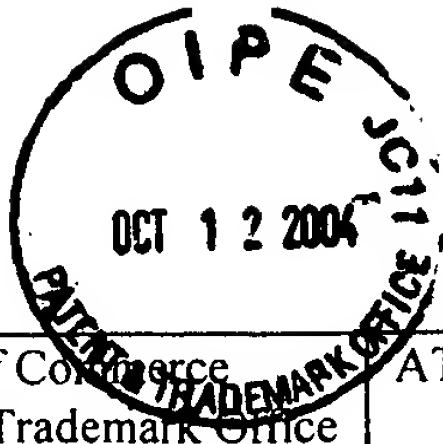
TE 00

DATE

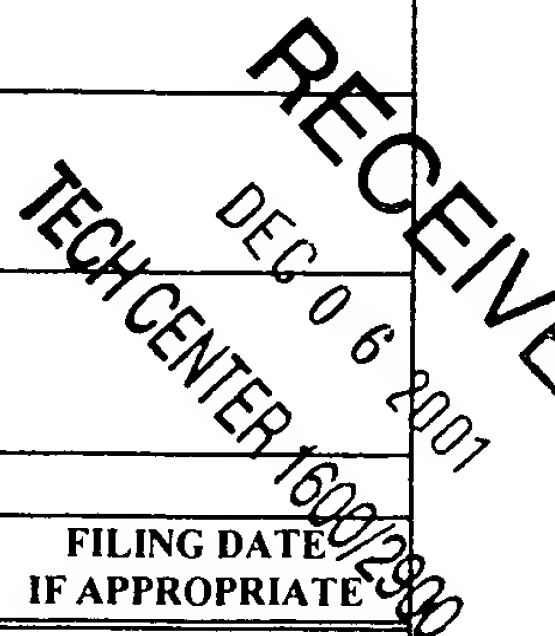
11/11/2011

ON
NO

[illegible][illegible]



FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	ATTORNEY DOCKET NO.	SERIAL NO.
	4115-161	09/878,454
	APPLICANT	
	Monterio, et al.	
	FILING DATE	GROUP
	June 11, 2001	



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

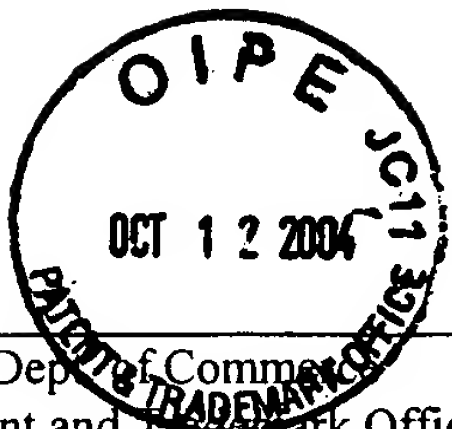
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

AK	Guo, Q., B.L. Sopher, K. Furukawa, D.G. Pham, N. Robinson, G.M. Martin, and M.P. Mattson. 1997. Alzheimer's presenilin mutation sensitizes neural cells to apoptosis induced by trophic factor withdrawal and amyloid beta-peptide: involvement of calcium and oxyradicals. <i>J Neurosci.</i> 17:4212-4222
AL	Guo, Q., N. Robinson, and M. Mattson. 1998. Secreted β -amyloid precursor protein counteracts the proapoptotic action of mutant presenilin-1 by activation of NF- κ B and stabilization of calcium homeostasis. <i>J Biol. Chem.</i> 273:12341-12351
AM	Guo, Q., S. Christakos, N. Robinson, and M.P. Mattson. 1998. Calbindin D28k blocks the proapoptotic actions fo mutant presenilin 1: reduced oxidative stress and preserved mitochondrial function. <i>Proc. Natl. Acad Sci. USA</i> 95:3227-3232
AN	Haass, C. 1997. Presenilins: Genes for life and death. <i>Neuron</i> 18:687-690
AO	Hardy, J. 1997. Amyloid, the presenilins and Alzheimer's disease. <i>TINS</i> 20:155-159
AP	Janicki, S., and M.J. Monteiro. 1997. Increased apoptosis arising from increased expression of the Alzheimer's disease-associated presenilin-2 mutation (N1411). <i>J Cell Biol.</i> 139:485-495
AQ	Janicki, S., and M.J. Monteiior. 1999. Presenilin overexpression arrests cells in the Gi phase of the cell cycle: arrest potentiated by the Alzheimer's disease PS2(N1411) mutant. <i>Am. J Pathol.</i> 155, 135-144
AR	Janicki, S.M., S.M. Stabler, and M.J. Monteiro. 2000. Familial Alzheimer's disease presenilin-1 mutants potentiate cell cycle arrest. <i>Neurobiol Aging.</i> 21:829-836
AS	Keller, J.N., Q. Guo, F.W. Holtsberg, A.J. Bruce-Keller, and M.P. Mattson. 1998 Increased sensitivity to mitochondrial toxin-induced apoptosis in neural cells expressing mutant presenilin-1 is linked to perturbed calcium homeostasis and enhanced oxyradical production. <i>J Neurosci.</i> 18:4439-4450
AT	Kim, T.W., W.R. Pettingell, Y.K. Jung, D.M. Kovacs, R.E. Tanzi. 1997. Alternative cleavage of Alzheimer-associated presenilins during apoptosis by a caspase-3 family protease. <i>Science</i> 277:373-376
AU	Kobayashi, M., K. Takamatsu, S. Saitoh, and T. Noguchi. 1993. Myristoylation of hippocalcin is linked to it calcium-dependent membrane association properties. <i>J. Biol. Chem.</i> 268(25): 18898-18904

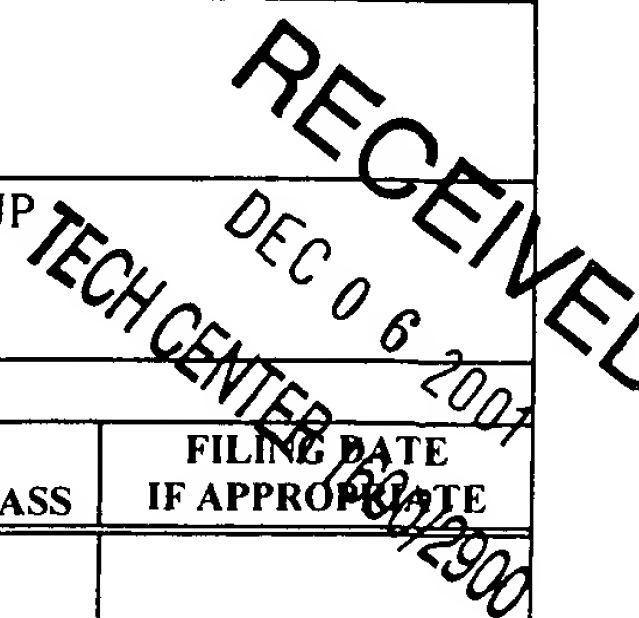
Continue on Page 3

EXAMINER M. T. Davis	DATE CONSIDERED 01/21/03
-----------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	ATTORNEY DOCKET NO. 4115-161	SERIAL NO. 09/878,454
	APPLICANT Monterio, et al.	GROUP
	FILING DATE June 11, 2001	



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

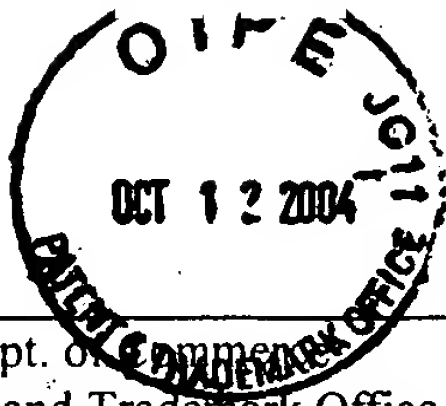
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

YLS	AV	Kovacs, D.M., H.J. Fausett, K.J. Page, T.W. Kim, W.D. Moir, D.E. Merriam, R.D. Hollister, O.G. Hallmark, R. Mancini, K.M. Felsenstein, et al. 1996. Alzheimer-associated presenilins 1 and 2: neuronal expression in brain and localization to intracellular membranes in mammalian cells. <i>Nature Med</i> 2:224-229
	AW	Lee, M.K., Z. Xu, P.C. Wong, and D.W. Cleveland. 1993. Neurofilaments are obligate heteropolymers <i>in vivo</i> . <i>J. Cell Biol.</i> 122:1337-1350
	AX	Leissring, M.A., Parker, I. And LaFerla, F.M. 1999. Presenilin-2 mutations modulate amplitude and kinetics of inositol 1, 4,5-trisphosphate-mediated calcium signals. <i>J Biol. Chem.</i> 274, 32535-32538
	AY	Li, J., M. Xu, H. Thou, J. Ma, and H. Potter. 1997. Alzheimer presenilins in the nuclear membrane, interphase kinetochores, and centrosomes suggest a role in chromosome segregation. <i>Cell</i> 90:917-927
	AZ	Loetscher, H., U. Deuschle, M. Broclhaus, D. Reinhardt, P. Nelboeck, J. Mous, J. Grunberg, C. Haass, H. Jacobsen. 1997. Presenilins are processed by caspase-type proteases. <i>J. Biol. Chem.</i> 272(33):20655-20659
	BA	Mical, T.I., and M.J. Monteiro. 1998. The role of sequences unique to nuclear intermediate filaments in the targeting and assembly of human lamin B: Evidence for lack of interaction of lamin B with its putative receptor. <i>J Cell Sci.</i> 111:3471-3485
	BB	Monteiro, M.J., C. Hicks, L. Gu, and S. Janicki. 1994. Determinants for intracellular sorting of cytoplasmic and nuclear intermediate filaments. <i>J Cell Biol</i> 127:1327-1343
	BC	Monteiro, M.J., and T. Mical. 1996. Resolution of Kinase activities during the HeLa cell cycle: Identification of kinases with cyclic activities. <i>Exp. Cell Res.</i> 223:443-451
	BD	Montoya, S.F., C.F. Aston, S.T. DeKosky, M. Ilyas Kamboh, J.S. Lazo, and R.E. Ferrell. 1998 Bleomycin hydrolase is associated with risk of sporadic Alzheimer's disease. <i>Nature Genet.</i> 18:211-212
	BE	Naik, U.P., P.M. Patel, and L.V. Parise. 1997. Identification of a novel calcium-binding protein that interacts with the integrin α 5 β 1 cytoplasmic domain. <i>J Biol. Chem.</i> 272:4651-4654
Y	BF	Olshevskaya, E.V., R.E. Hughes, J.B. Hurley, and A.M. Dizhoor. 1997. Calcium-binding, but not a calcium-myristoyl switch, controls the ability of guanylyl cyclase-activating protein GCAP-2 to regulate photoreceptor guanylyl cyclase. <i>J Biol. Chem.</i> 272:14327-14333

Continue on Page 4

EXAMINER M.T. Davis	DATE CONSIDERED 01/21/03
----------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	ATTORNEY DOCKET NO. 4115-161	SERIAL NO. 09/878,454
	APPLICANT Monterio, et al.	RECEIVED DEC 06 2001 TECH CENTER 1600
	FILING DATE June 11, 2001	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

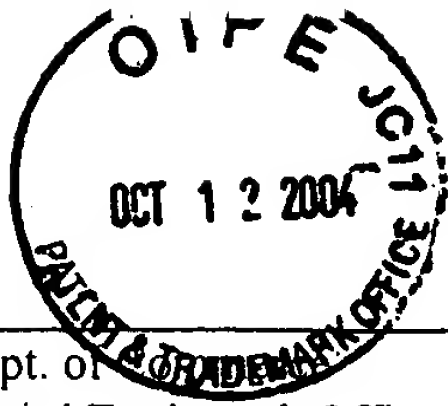
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

7/12	BG	Pack-Chung, E., Myers, M.B., Pettingell, W.P., Cheng, I., Moir, R.D., Brownawell, A.M., Tanzi, R.E., and Kim, T.W., 2000. Presenilin 2 interacts with sorcin, a modulator of the ryanodine receptor. <i>J Biochem.</i> 275:14440-14445
	BH	H. Payami, G.D. Schellenberg, S., Zarepari, J. Kay, G.J. Sexton, M.A., Head, S.S. Matsuyama, L.F. Jarvik, B. Miller, D.Q. McManus, et al., 1997. Evidence for association of HLA-A2 allele with onset age of Alzheimer's disease. <i>Neurology.</i> 49:512-518
	BI	Pericak-Vance, M.A., M.P. Bass, L.H. Yammaoka, P.C. Gaskell, W.K. Scott, R.A. Terwedow, M.M. Menold, P.M. Conneally, G.W. Small, J.M. Vance, et al. 1997. Complete genomic screen in late-onset familial Alzheimer disease. Evidence for a new locus on chromosome 12. <i>JAMA</i> 278:1237-1241
	BJ	Peruz-Tur, J., S. Froelich, G. Prihar, R. Crook, M. Baker, K. Duff, M. Wragg, F. Busfield, C. Lendon, R.F. Clark et al. 1995. A mutation in Alzheimer's disease destroying a splice acceptor site in the presenilin-1 gene. <i>Neuroreport</i> 7:297-301
	BK	Reynolds, A., and V. Lundblad. 1989. Yeast vectors and assays for expression of cloned genes in Current Protocols in Molecular Biology, R.B. F.A. Ausubel, R.E. Kingston, D.D. Moore, J.G. Seidman, J.A. Smith, K, Struhi, ed. (New York: John Wiley & Sons), pp. 13.6.1-13.6.4
	BL	Stabler, Stacy M., Identification and Characterization of Calmyrin, a Presenilin 2 Interactor that Modulates Calcium Signaling and Apoptosis. PhD. Dissertation, April 2001
	BM	Smine, A., X. Xu, K. Nishiyama, T. Katada, P. Gambetti, S.P. Yadav, X. Wu, Y.C. Shi, S. Yasuhara, V. Homburger, and T. Okamoto. 1998. Regulation of brain G-protein Go by Alzheimer's disease gene presenilin-1. <i>J Biol. Chem.</i> 273:16281-16288
	BN	Thinakaran, G., D.R. Borchelt, M.K. Lee, H.H. Slunt, L. Spitaer, G. Kim, T. Ratovitsky, F. Davenport, C. Nordstedt, M. Seeger, et al. 1996. Endoproteolysis of presenilin 1 and accumulation of processed derivatives <i>in vivo</i> . <i>Neuron</i> 17:181-190
	BO	Vito, P., E. Lacana, and L.D. D'Adamio. 1996a. interfering with apoptosis: Ca ²⁺ -binding protein ALG-2 and Alzheimer's disease gene ALG-3 <i>Science</i> 271:521-525
	BP	Vito, P., B. Wolozin, J.K. Ganjei, K. Iwasaki, B. Lacana, and L.D. D'Adamio. 1996b. Requirement of the familial Alzheimer's disease gene P52 for apoptosis. <i>J Biol Chem.</i> 271:31025-31028
	BQ	Vito, P., et al. 1997. Generation of anti-apoptotic presenilin-2 polypeptides by alternative transcription, proteolysis, and caspase-3 cleavage. <i>J Biol. Chem.</i> 272:28315-28320

Continue on Page 5

EXAMINER M. T. Davis	DATE CONSIDERED 01/23/03
-------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



FORM PTO-1449 US Dept. of Patent and Trademark Office		ATTORNEY DOCKET NO. 4115-161		SERIAL NO. 09/878,454			
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)		APPLICANT Monterio, et al.		GROUP			
		FILING DATE June 11, 2001					
FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office		ATTORNEY DOCKET NO. 4115-161		SERIAL NO. 09/878,454			
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)		APPLICANT Monterio, et al.		GROUP			
		FILING DATE June 11, 2001					
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
YH	BR	Wilcox, C., J.S. Hu, and E.N. Olson. 1987. Acylation of proteins with myristic acid occurs cotranslationally. <i>Science</i> 238:1275-1278					
	BS	Wolozin, B., P. Alexander, and J. Palacino. 1998. Regulation of apoptosis by presenilin 1. <i>Neurobiol. Aging</i> 19:S23-S27					
	BT	Wolozin, B., K. Iwasaki, P. Vito, J.K. Ganjei, B. Lacana, T. Sunderland, B. Zhao, J.W. Kusiak, Wasco, W., and L. D'Adamio. 1996. Participation of presenilin 2 in Apoptosis: enhanced basal activity conferred by an AD mutation. <i>Science</i> 274:1710-1713					
	BU	Woo, R.A., K.G. McLure, S.P. Lees-Miller, D.E. Rancourt, P.W.K. Lee. 1998. DNA-dependent protein kinase acts upstream of p53 in response to DNA damage. <i>Nature</i> 394:700-704					
	BV	Wu, J.M., Y. Chen, S.M.L. Perruccio, M. Adbel-Ghany, and T.H. Carter. 1993. Phosphorylation of protein tau by double-stranded DNA-dependent protein kinase. <i>Biochem. Biophys. Res. Commun.</i> 193(1):13-18					
	BW	Ye, Y., and M.E. Fortini. 1998. Characterization of Drosophila Presenilin and its colocalization with Notch during development. <i>Mech. Dev.</i> 79:199-211					
	BX	Lessring, M.A., B.A. Paul, I. Parker, C.W. Cotman, and F.M. LaFerla. 1999. Alzheimer's presenilin-1 mutation potentiates inositol 1,4,5-trisphosphate-mediated calcium signaling in <i>Zenopus</i> oocytes. <i>J Neurochem.</i> 72:1061-1068					
EXAMINER M. T. Davis				DATE CONSIDERED 01/21/03			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

